

Appl. No. : 10/667,580
Filed : September 22, 2003

LISTING OF THE CLAIMS

1. (ORIGINAL) An implant for treating glaucoma, the implant comprising:
 - a first portion configured to be embedded in the sclera of an eye, to anchor the implant;
 - a second portion configured to be positioned in the anterior chamber of the eye and to receive fluid from the anterior chamber;
 - an intermediate portion between the first portion and the second portion, said intermediate portion configured to span the trabecular meshwork of the eye, so as to permit drainage of fluid between the anterior chamber and Schlemm's canal; and
 - a plurality of longitudinally spaced openings in the intermediate portion.
2. (ORIGINAL) An implant for treating glaucoma in an eye, said implant having a longitudinal implant axis and comprising:
 - an outflow portion through which said longitudinal implant axis passes, said outflow portion shaped and sized to be:
 - (a) introduced through Schlemm's canal of the eye with said portion of said longitudinal implant axis at an angle to Schlemm's canal; and
 - (b) received at least partially within Schlemm's canal regardless of a rotational orientation of the outflow portion about said longitudinal implant axis during said introduction;
 - a plurality of openings in the outflow portion, the openings allowing fluid to communicate from a lumen within the outflow portion to a location outside the outflow portion;
 - an inflow portion configured to permit communication of fluid from the anterior chamber of the eye to the outflow portion; and
 - an anchoring member at one end of the implant.
3. (ORIGINAL) An implant for treating glaucoma, comprising:
 - an outflow portion, sized and shaped to be received at least partially within Schlemm's canal;
 - an inflow portion in fluid communication with said outflow portion, the inflow portion configured to be disposed in the anterior chamber of the eye; and

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a central portion extending between the inflow and outflow portions;

the outflow portion having a diameter that is no more than three times the diameter of the central portion;

a plurality of openings in the outflow portion, the openings allowing fluid to communicate from a lumen within the outflow portion to a location outside the outflow portion; and

an anchoring member at one end of the implant, the anchoring member configured to anchor the implant in the sclera of the eye.

4. (ORIGINAL) The implant of Claim 3, further comprising at least one opening in the central portion.

5. (ORIGINAL) A kit for delivering implants for treating an ophthalmic condition, the kit comprising:

an elongate body, said elongate body sized to be introduced into an eye through an incision in the eye;

an implant positionable on or in the elongate body, said implant comprising:

an outflow portion, sized and shaped to be received at least partially within Schlemm's canal;

an inflow portion in fluid communication with said outflow portion, the inflow portion configured to be disposed in the anterior chamber of the eye;

a plurality of openings in the outflow portion, the openings allowing fluid to communicate from a lumen within the outflow portion to a location outside the outflow portion; and

an anchoring member at one end of the implant, the anchoring member configured to anchor the implant in the sclera of the eye.

6. (ORIGINAL) The kit of Claim 5, wherein the elongate body comprises a tube, and the implant is positionable at least partially in the tube.

7. (ORIGINAL) A method of treating glaucoma, the method comprising:

inserting an elongate body into the trabecular meshwork and Schlemm's canal of an eye, said elongate body comprising a plurality of fluid channels and a plurality of

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openings, each of said openings permitting fluid to flow from at least one of the channels through the opening to a location outside the elongate body; and

introducing fluid through at least two of the fluid channels into the eye.

8. (ORIGINAL) The method of Claim 7, wherein the inserting comprises inserting the elongate body from the anterior chamber through the trabecular meshwork of the eye and into Schlemm's canal of the eye.

9. (ORIGINAL) The method of Claim 7, further comprising positioning the implant such that a first opening of said plurality of openings is at Schlemm's canal of the eye.

10. (ORIGINAL) The method of Claim 9, further comprising positioning the implant such that a second opening of said plurality of openings is at the trabecular meshwork of the eye.

11. (ORIGINAL) The method of Claim 9, further comprising positioning the implant such that a second opening of said plurality of openings is at the sclera of the eye.